



*3rd Simulation Based Acquisition Conference
Springfield, VA
May 15-17, 2001*

Enabling the 21st Century Acquisition Enterprise

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Five Key Objectives for DoD

- **Fashion & sustain deterrence appropriate to the new national security environment**
- **Assure the readiness and sustainability of deployed forces**
- **Modernize U.S. command, control, communications, intelligence and space capabilities**
- **Speed research, development and acquisition**
- **Reform DoD structures, processes and organization**

What is Interoperability ?

“We will connect Information systems and weapons in new ways”
President George Bush
New York Times, 25 March 2001



“The ability of systems, units, or forces to provide services to and accept services from other systems, units, or forces and to use the services so exchanged to enable them to operate effectively together.”

(JCS Pub 1)

Focus is on Effective Joint and Combined Operations

Directorate of Interoperability Program

Management, Oversight, Acquisition Policy

- DAES Interoperability Reviews
- Defense Acquisition Board (DAB)
- Systems Engineering/ Simulation-Based Acquisition (SBA)
- DoD Series 5000 Rewrites
- Coalition Warfare

Key Interoperability Enablers

- Building System-of-Systems Capability
- Systems Architecture
- Commercial Information Technology Outreach
- CIO Executive Board

Key Initiatives

- Family of Interoperable Operational Pictures (FIOP)
- Combat Identification (CID)
- Time Critical Strike/Targeting
- Shared Tactical Ground Picture (STGP)
- Single Integrated Air Picture (SIAP)
- Joint Distributed Engineering Plant (JDEP)

Simulation Based Acquisition (SBA)

Vision

...to have an Acquisition Process in which DoD and Industry are enabled by robust, **collaborative use of simulation technology** that is **integrated across acquisition phases and programs.**

Goals

Substantially **reduce the time, resources and risk** associated with the entire acquisition process;

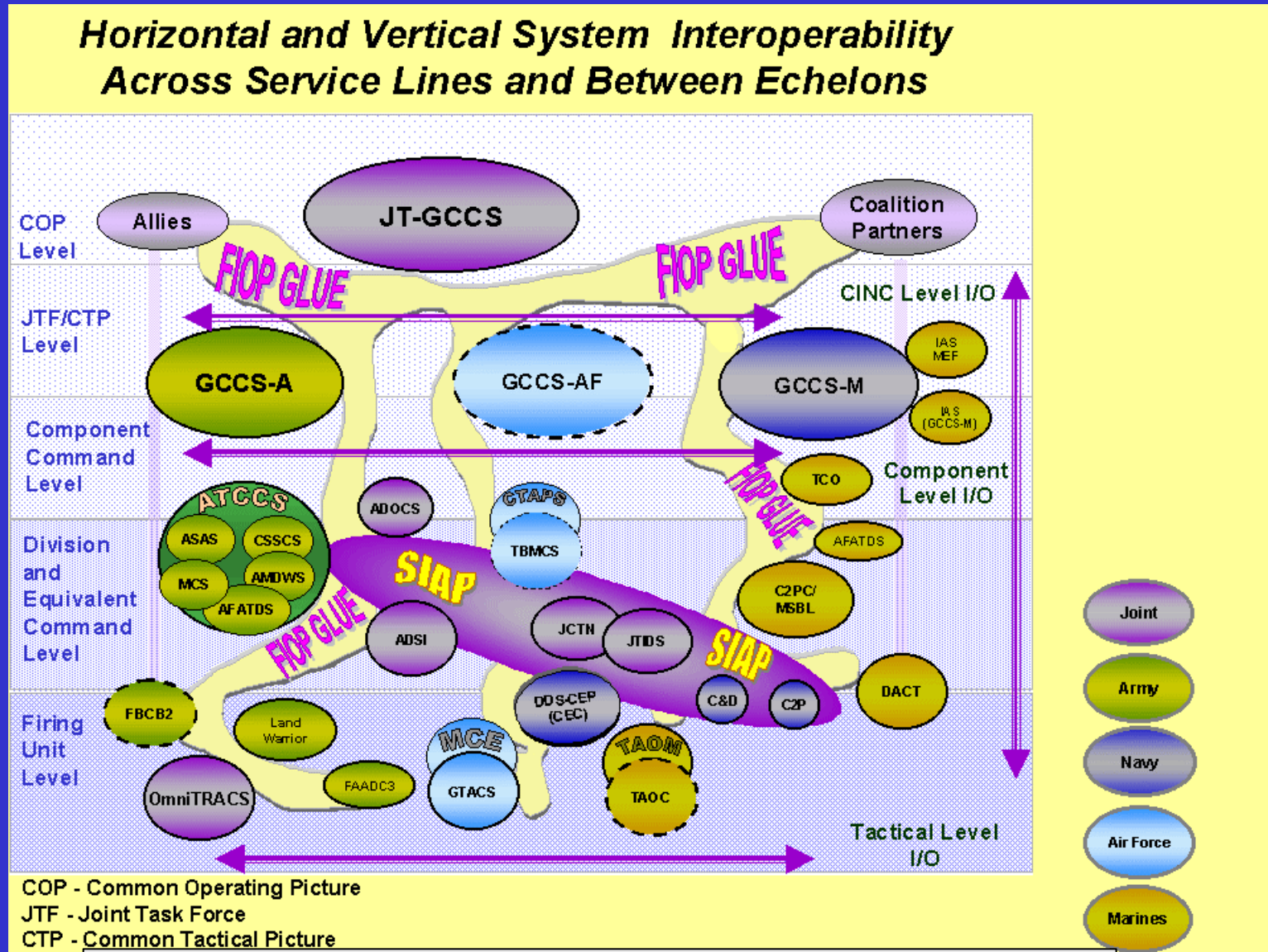
Increase the quality, military worth and supportability of fielded systems, while **reducing** their **total ownership costs throughout the total life cycle**;

Enable Integrated Product and Process Development (IPPD) **across the entire acquisition life cycle.**

Contribute to **delivering Integrated Mission Area Capabilities**

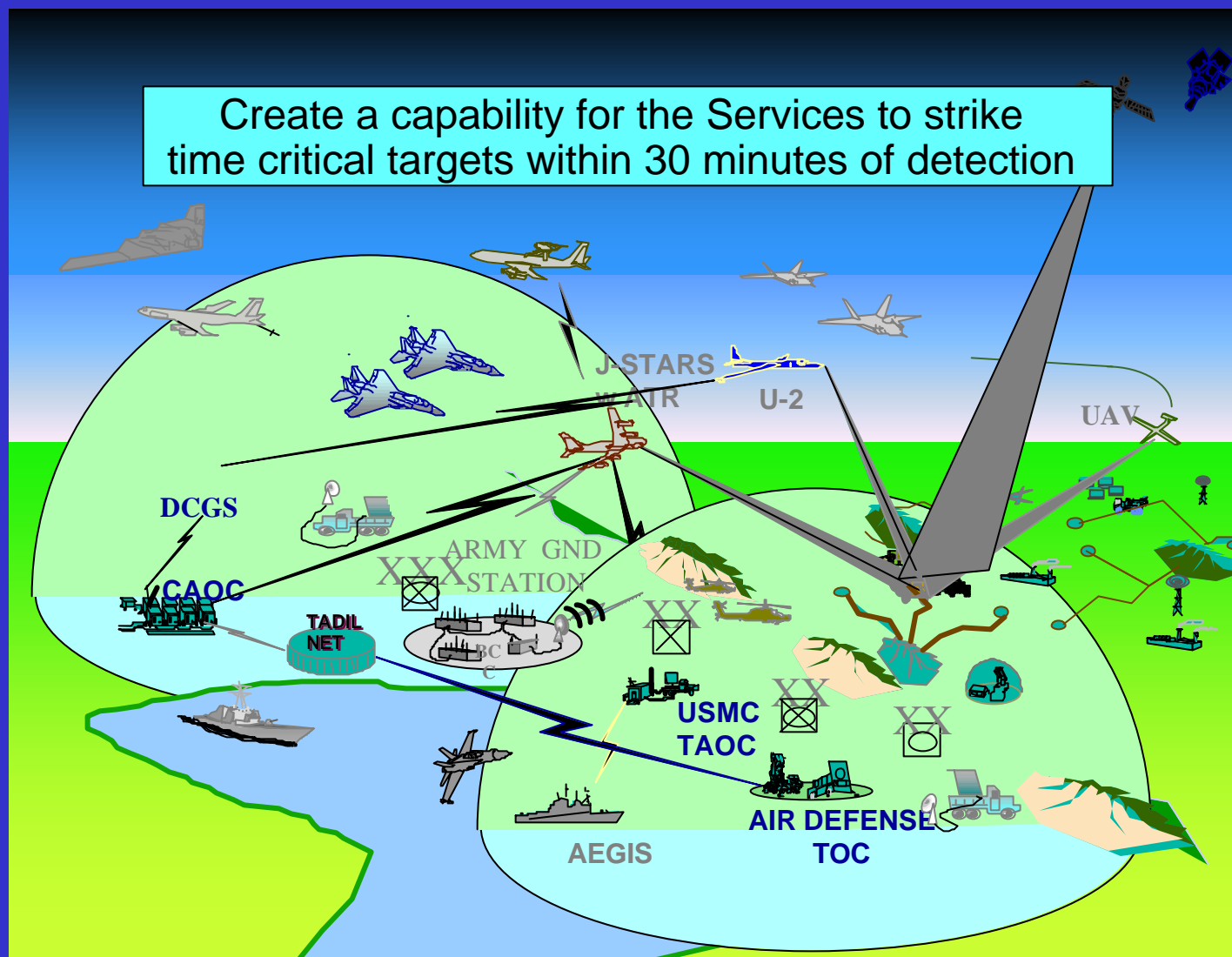
Family of Interoperable Operational Pictures (FIOP)

Initial focus on JTF level & below



Federating the Battlespace Pictures

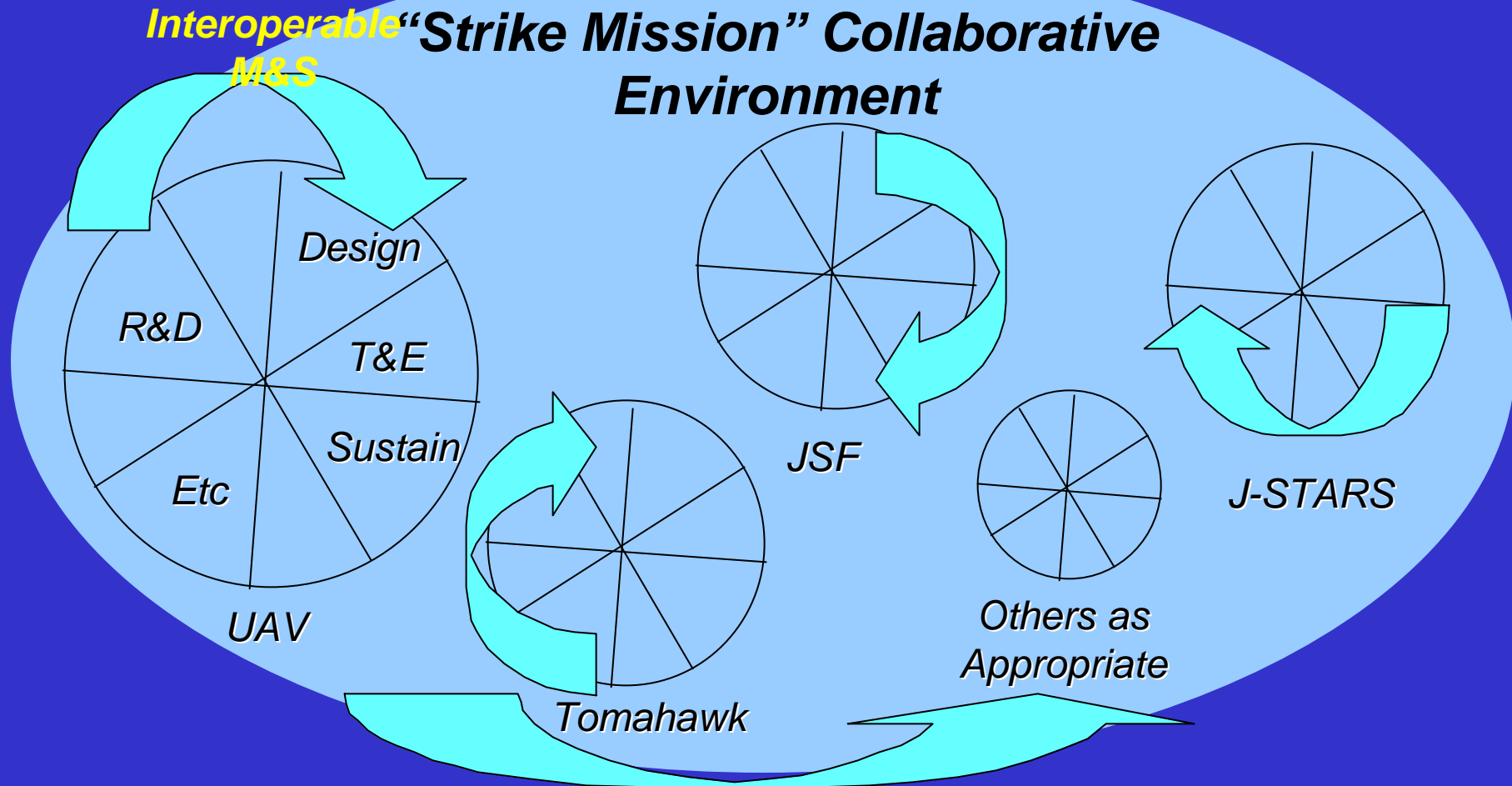
Notional Time Critical Strike Systems Architecture



Joint Distributed Engineering Plant (JDEP)



SoS Example: Time Critical Strike



**SBA: Interoperable M&S within a program (throughout the lifecycle) &
Interoperable M&S across programs**

Enabling the 21st Century Acquisition Enterprise

- ***Consistent Approach***

Across Services and Agencies

- ***Flexible Implementation***

Building on existing and commercial capabilities